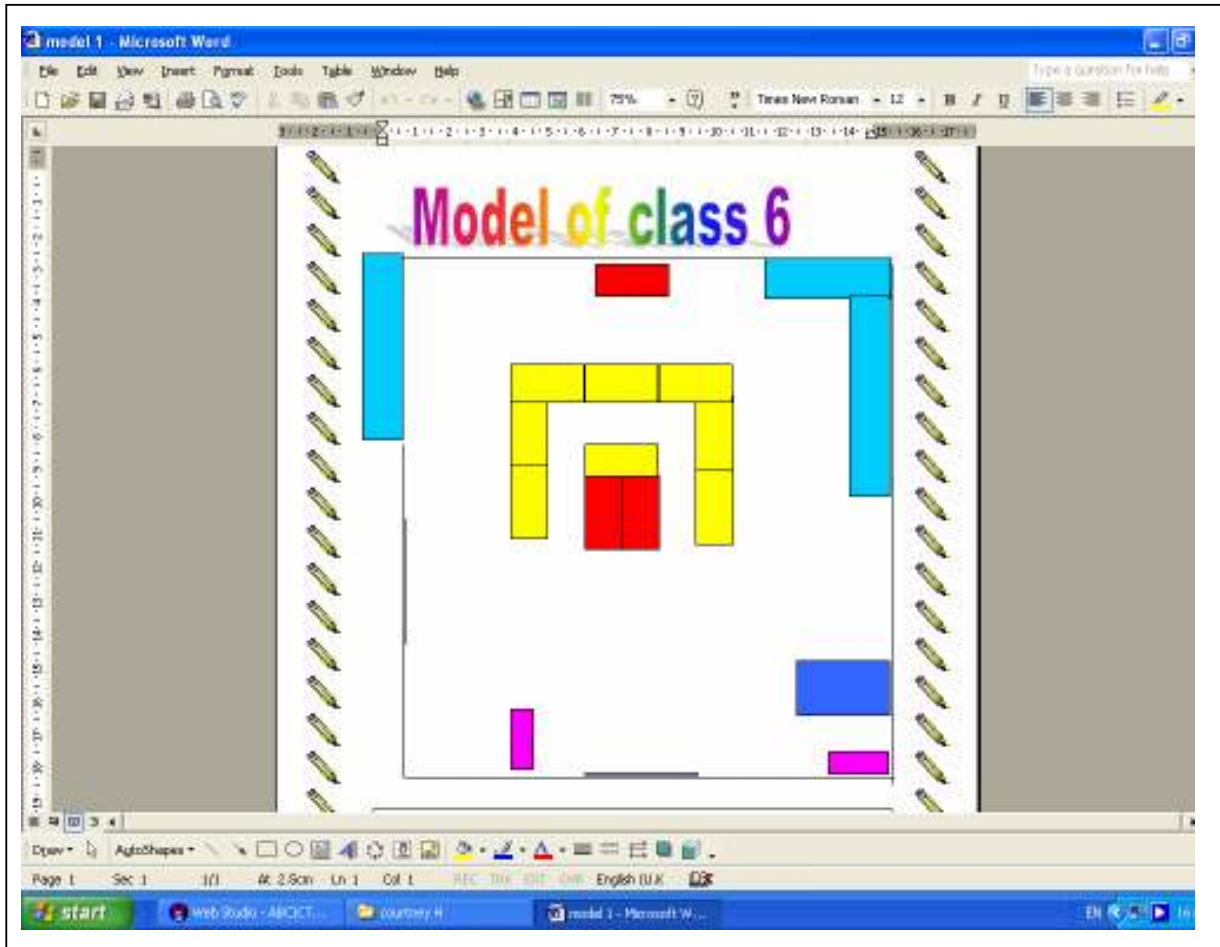


Unit 5A – Graphical Modelling



Level 4

Pupils broadly plan their tasks and combine a variety of information and media when creating and developing their ideas, with a sense of purpose and audience. They use ICT to select relevant information from a range of given sources, recognising that poor quality information and data yields unreliable results. Pupils begin to check the validity of data. They add and amend records in databases. They use ICT to explore patterns and relationships. They make simple predictions about how changing one variable affects another in models or simulations. They send and receive information electronically. Pupils discuss and begin to form opinions about some of the issues raised by the use of ICT and internet safety. They use the internet/related technologies safely in accordance with given guidelines. Pupils manage their workspace effectively. They show an awareness of the basic functions of hardware and software.

Teacher commentary:

In this unit children carefully planned a scale model of their classroom, for the purpose of redesigning the room's layout. They used maths skills to measure and calculate the scale of objects in the room, and recognised the need for accurate information to make the model worthwhile. They went on to re-design the layout of the classroom with their model. Children could explain the benefits of using an object based computer model as opposed to manually experimenting with the room.